

SECRET**PRIORITY**
OUT 64961

1968 APR 30 16 14Z

P 301559Z APR 68
FM NPIC WASHDC
TO RUCSAAA/SAC OFFUTT AFB OMAHA NEB
RUCLFGA/OL 19 100SRW MCCOY AFB FLA
RUEPJS/DIA WASHDC
RUEBJRA/NAVRECONTECHSUPPCEN SUITLAND MD
RUWBKNA/15TH AF MARCH AFB RIVERSIDE CALIF
RUEFHQA/HQS USAF/AFRDR
RUEPIA/CIA WASHDC

BT

S E C R E T CITE NPIC 3613.
15TH AF (FOR DI), SAC (FOR GLASS LAMP, DOOR, DM4),
AFRDR [REDACTED].

FROM NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER.

SUBJ: EVALUATION OF MISSION G-024

1. CAMERA SYSTEM 111B, UNIT 3 WAS USED ON MISSION G-024, FLOWN
25 APRIL 1968. THE MATERIAL WAS PROCESSED BY NAV RECON TECH
SUPPCEN.

2. ORIGINAL NEGATIVE:

A. A SLIT VELOCITY OF 77 INCHES PER SECOND WAS USED THROUGH-

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OUT THE MISSION. THE EXPOSURE IS GOOD. THE DENSITY IS MEDIUM
THROUGHOUT THE MISSION; HOWEVER, THE CONTRAST IS SLIGHTLY LOWER
THAN EXPERIENCED ON RECENT TEST MISSIONS USING THIS CAMERA.

B. NARROW MINUS DENSITY LINES, APPARENTLY CAUSED BY
OBSTRUCTIONS IN THE SLIT APERTURE, ARE PRESENT ACROSS EACH FRAME.
IMAGE DEGRADATION IS MINIMAL. INTERMITTENT EDGE FOG IS PRESENT
ON BOTH FILM EDGES THROUGHOUT THE MISSION.

C. TITLED FRAMES 200, 313, AND 509 ARE SMEARED IN THE CROSS
TRACK DIRECTION. THIS ANOMALY APPEARS TO BE ASSOCIATED WITH
CAMERA OFF/ON. THE SPACING BETWEEN FRAMES VARIES FROM 1.5 INCH
TO A MAXIMUM OF 5.0 INCHES AT EVERY CAMERA OFF/ON. DUE TO THIS
ERRATIC METERING, IMAGED FRAME INDICATOR NUMBER 553 WAS IMAGED
TWICE. THE FRAME IMMEDIATELY FOLLOWING TITLED FRAME 317 WAS
TITLED TWICE WITH NUMBERS 318 AND 319.

D. A HEAT SPLICE IS PRESENT BETWEEN TITLED FRAMES 312/313.

E. MODE 5 WAS USED THROUGHOUT THE MISSION.

F. THE IMC APPEARS TO HAVE FUNCTIONED PROPERLY. THE FRAMES
ARE SKEWED AND IMAGE SMEAR IS NOT APPARENT. THE RESOLUTION
VARIES FROM POOR TO FAIR. THE IMAGERY IS DEGRADED BY EITHER
AN OVERALL HAZE CONDITION OR A VERY SUBTLE OUT-OF-FOCUS CONDITION.

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THE BEST GROUND RESOLUTION IS ESTIMATED TO BE 20 INCHES (BAR
PLUS SPACE).

3. POSITIVES

A. THE PI SUITABILITY IS FAIR TO GOOD. THE SCALE OF THE
PHOTOGRAPHY PROVIDES DETAILED INFORMATION WHICH IS NOT PRESENT
ON THE USUAL GL MISSION. ALL PHOTOGRAPHY WAS ACQUIRED AT A NEAR
VERTICAL POSITION. THE MAXIMUM OBLIQUITY ANGLE IS 7.8 DEGREES.

B. THE PRINTING AND PROCESSING ARE GOOD.

C. CLOUDS OBSCURED LESS THAN FIVE PERCENT OF THE ENTIRE
MISSION.

GP-1

S E C R E T

END OF MESSAGE

SECRET

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